



BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work: Construction of Indoor Games Building at Proposed Park in Mallasandra Sy No.33 in Ward No.13

JOB NUMBER.:				SI-7	Est. Amount			150.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	in Rs.
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (Item No.18.11, Page No.136, SR:2016-17)								
	INDOOR GAME								
	Built Site Area	Sqm	1	46.00	26.00		1196.00		
							Total Qty	1196.00	6.48
									7750.02
2	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical cum means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301 (Item No.19.11, Page No.143, SR: 2016-17)								
	INDOOR GAME								
	Built Site Area	Cum	1	46.00	26.00	0.15	179.40		
							Total Qty	179.40	73.44
									13175.14
3	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1 (Item No.2.1, Page No.5, SR: 2016-17)								
	INDOOR GAME								
	Built Site Area	Cum	1	45.00	25.00	1.00	1125.00		
							Total Qty	1125.00	269.56
									303255.00
4	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. hard soil. No. KBS 2.1(b)/2.3.5 (Item No.2.4, Page No.5, SR: 2016-17)								
	INDOOR GAME								
	For Footings								
	F1		4	2.30	2.00	2.50	46.00		
	F2		20	2.10	1.90	2.50	199.50		
	F3		8	2.00	1.70	2.50	68.00		
	F4		2	1.70	1.70	2.00	11.56		
	For SSM		1	123.30	1.00	1.00	123.30		
			1	8.50	0.90	0.80	6.12		
	Stage		1	20.00	0.60	0.50	6.00		
	Gallery sitting steps		2	34.20	0.60	0.40	16.42		
	Front Stapes		4	3.00	0.45	0.35	1.89		
							Total Qty	478.79	
	Deductions of Columns		32	0.23	0.45	1.4	4.64		
							Total Qty	4.64	
							Total Qty	474.15	405.64
									192333.88
5	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Item No.3.2, Page No.9, SR: 2016-17)								
	INDOOR GAME								
	For Footings								
	F1		4	2.30	2.00		18.40		
	F2		20	2.10	1.90		79.80		
	F3		8	2.00	1.70		27.20		
	F4		2	1.70	1.70		5.78		
							Total Qty	131.18	111.24
									14592.46

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
6	KSRB 2.8 : Providing and Filling in foundation with granite / trap cum broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift of 1.5m, complete as per specifications, (PWP, IWTD) SR Bangalore Circle 2014. specification. No. KBS (Item No 2.15, Page No 6, SR 2016-17)								
	INDOOR GAME								
	For Footings								
	F1	Cum	4	2.30	2.00	0.20	3.68		
	F2		20	2.10	1.90	0.20	15.96		
	F3		8	2.00	1.70	0.20	5.44		
	F4		2	1.70	1.70	0.20	1.16		
							Total Qty	26.24	2283.12
									59,899.94
7	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No 4.2, Page No 12, SR 2016-17)								
	INDOOR GAME								
	PCC For Footing								
	F1	Cum	4	2.30	2.00	0.15	2.76		
	F2		20	2.10	1.90	0.15	11.97		
	F3		8	2.00	1.70	0.15	4.08		
	F4		2	1.70	1.70	0.15	0.87		
	PCC For SSM		1	123.30	1.00	0.15	18.50		
			1	8.00	0.90	0.15	1.08		
	Stage		1	20.00	0.60	0.15	1.80		
	Gallery sitting steps		2	34.20	0.60	0.15	6.18		
	Front Stapes		4	3.00	0.45	0.15	0.81		
	Flooring Bed								
	Stage		1	20.06	4.00	0.10	8.02		
	Open space		1	20.06	37.12	0.10	74.46		
							Total Qty	130.50	5449.68
									7,11,208.96
8	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Item No.5.6, Page No.23, SR: 2016-17)								
	INDOOR GAME								
	SSM Foundation								
	1st Step	Cum	1	123.30	0.80	0.40	39.46		
			1	8.00	0.80	0.40	2.56		
	2nd Step		1	123.30	0.60	0.40	29.59		
			1	8.00	0.60	0.40	1.92		
	Stage		1	20.00	0.40	0.25	2.00		
	Gallery sitting steps		2	34.20	0.60	0.25	10.26		
							Total Qty	85.79	
	Deductions of Columns		32	0.23	0.45	1.20	3.97		
							Total Qty	3.97	
							Total Qty	81.81	4521.96
									359957.83
9	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Item No.5.9, Page No.23, SR: 2016-17)								
	INDOOR GAME								
	Basement	Cum	1	123.30	0.45	0.85	47.16		
			1	8.00	0.45	0.8	2.88		
	Stage		1	20.00	0.40	0.80	6.40		
	Gallery sitting steps								
	Rise		4	34.20	0.40	0.5	27.36		
	Thred		4	34.20	1.20	0.4	65.66		
	Side		2	1.80	0.30	0.5	0.54		
			2	0.90	0.30	0.5	0.27		
							Total Qty	150.28	
	Deductions of Columns		32	0.23	0.45	0.4	1.32		
							Total Qty	1.32	
							Total Qty	148.95	5405.40
									805142.17
10	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No.4.6, Page No.12, SR: 2016-17)								
	INDOOR GAME								
	Copping	Cum	1	123.30	0.45	0.10	5.55		
	SSM Foundation		1	8.00	0.45	0.10	0.36		
	Stage		1	20.00	0.40	0.10	0.80		
							Total Qty	6.71	5876.28
									39421.02

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate In Rs.	Amount In Rs.
				L	B	D			
11	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1.4.6 (Item No.4.10, Page No.13, SR: 2016-17)								
	INDOOR GAME								
	For Footings								
	F1		4	2.05	1.80	0.40	5.90		
	F2		20	1.85	1.70	0.40	25.16		
	F3		8	1.75	1.50	0.35	7.35		
	F4		2	1.50	1.50	0.30	1.35		
	Column Below Plinth								
	C1		12	0.23	0.45	2.60	3.23		
	C2		20	0.30	0.45	2.60	7.02		
	C3		2	3.14/4*0.23*0.23	2.10	0.17			
	Plinth Beam								
	PB 1A		2	36.62	0.23	0.40	6.74		
	PB 2A		2	18.00	0.23	0.40	3.31		
	PB1		2	33.23	0.23	0.30	4.59		
	PB2		2	20.00	0.23	0.30	2.76		
	PB3		2	1.80	0.20	0.20	0.14		
	PB4		1	3.80	0.23	0.30	0.26		
	PB5		2	2.80	0.30	0.30	0.50		
	Front Stapes Basement		4	3.00	0.30	0.20	0.72		
							Total Qty	69.21	6718.68
12	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (Item No 2.10, Page No.6, SR: 2016-17)								
	INDOOR GAME								
	50% of Qty Item No 4	Cum	1	237.07			237.07		
							Total Qty	237.07	137.16
13	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1 (I.t.m No 2.12 P.No 6 SR:2016-17)								
	INDOOR GAME								
	Earth Filling								
	Full Area Qty as Per item no 3	Cum	1	1125.00			1125.00		
	Open space		1	20.00	37.12	1.10	816.64		
	Stage		1	20.00	3.60	2.10	151.20		
							Total Qty	2092.84	274.32
14	KSRB4.2.7:Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplastisiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, filHets j*tc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.1.4.6 (Item No.4.12, Page No.13, SR: 2016-17)								
	INDOOR GAME								
	For Columns Plinth to roof								
	C1		12	0.23	0.45	8.00	9.94		
	C2		20	0.30	0.45	7.00	18.90		
	C3		2	3.14/4*0.23*0.23	3.20	0.27			
	Lintel Beams								
	LB1		2	3.99	0.23	0.20	0.37		
	LB2		2	3.77	0.23	0.20	0.35		
	LB3		16	3.21	0.23	0.20	2.36		
	LB4		2	3.20	0.23	0.20	0.29		
	LB5		8	3.54	0.23	0.20	1.30		
	LB6		2	3.61	0.23	0.20	0.33		
	Roof Lintel								
	RPB1		2	3.99	0.23	0.30	0.55		
	RPB2		2	3.77	0.23	0.30	0.52		
	RPB3		16	3.21	0.23	0.30	3.54		
	RPB4		2	3.20	0.23	0.30	0.44		
	RPB5		8	3.54	0.23	0.30	1.95		
	RPB6		2	3.61	0.23	0.30	0.50		
	Beams								
	B1		2	3.99	0.23	0.45	0.83		
	B2		2	3.77	0.23	0.45	0.78		

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate In Rs.	Amount In Rs.
				L	B	D			
	B3		16	3.21	0.23	0.45	5.32		
	B4		2	3.20	0.23	0.45	0.66		
	B5		9	3.54	0.23	0.45	3.30		
	B6		2	3.61	0.23	0.45	0.75		
	B7		2	3.00	0.23	0.45	0.62		
	Side Stapes								
	Waste Slab		4	3.00	1.85	0.15	3.33		
	Steps		20	3.00	0.30	0.15	2.70		
			4	3.00	0.50	0.15	0.90		
	Entrance Slab		1	3.50	4.50	0.15	2.36		
	Building All Around Slab Projection		1	126.20	1.00	0.15	18.93		
			Total Qty				82.09	6876.36	564472.34
15	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregates @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Item No.4.19, Page No.14, SR: 2016-17)								
	INDOOR GAME								
	Chajja								
	RS								
	Door D1	Sqm	2	3.00	0.90		5.40		
			2	1.50	0.60		1.80		
			Total				7.20	492.48	3545.86
16	KSRB 4-2.12 : Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Specification No. KBS (Item No.4.21, Page No.14, SR: 2016-17)								
	INDOOR GAME								
	Chajja								
	RS								
	Door D1	M	2	4.80			9.60		
			2	2.70			5.40		
			Total Qty				15.00	21.60	324.00
17	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.28, Page No.15, SR: 2016-17)								
	INDOOR GAME								
	For Footings								
	F1								
	F2	Sqm	4	7.70		0.45	13.86		
	F3		20	7.10		0.45	63.90		
	F4		8	6.50		0.40	20.80		
			2	6.00		0.35	4.20		
			Total Qty				102.76	249.48	25,636.56
18	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.31, Page No.15, SR: 2016-17)								
	INDOOR GAME								
	Plinth Beam								
	PB 1A								
	PB 2A		2	36.62		0.80	58.59		
	PB1		2	18.00		0.80	28.80		
	PB2	Sqm	2	33.23		0.60	39.88		
	PB3		2	20.00		0.60	24.00		
	PB4		2	1.80		0.40	1.44		
	PB5		1	3.80		0.60	2.28		
			2	2.80		0.60	3.36		
			Total Qty				158.35	316.44	50,107.64
19	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.32, Page No.16, SR: 2016-17)								
	INDOOR GAME								
	For Columns								
	C1								
	C2	Sqm	12	1.36		9.70	158.30		
	C3		20	1.50		8.70	261.00		
			2	3.14*0.23		5.30	7.66		
			Total Qty				426.96	395.28	168768.48
20	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.34, Page No.16, SR: 2016-17)								
	INDOOR GAME								
	Lintel Beams								
	LB1								
	LB2		2	3.99		0.40	3.19		
	LB3		2	3.77		0.40	3.02		
	LB4		16	3.21		0.40	20.54		
			2	3.20		0.40	2.56		

Sl. No	Description of Work	Unit	No	Dimension		Quantity	Rate in Rs.	Amount in Rs.	
				L	B	D			
	LB5		8	3.54		0.40	11.33		
	LB6		2	3.61		0.40	2.89		
	Roof Lintel								
	RLB1		2	3.99		0.60	4.79		
	RLB2		2	3.77		0.60	4.52		
	RLB3		16	3.21		0.60	30.82		
	RLB4		2	3.20		0.60	3.84		
	RLB5		8	3.54		0.60	16.99		
	RLB6		2	3.61		0.60	4.33		
	Openings Bottom								
	RS		2	2.50	0.23		1.15		
	V		30	1.50	0.23		10.35		
	Beams								
	B1		2	3.99		0.90	7.18		
	B2		2	3.77		0.90	6.79		
	B3		16	3.21		0.90	46.22		
	B4		2	3.20		0.90	5.76		
	B5		9	3.54		0.90	28.67		
	B6		2	3.61		0.90	6.50		
	B7		2	3.00		0.90	5.40		
						Total Qty	226.84	276.48	
21	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications up to 3.50m from Ground level. Specification No. KBS 4.6.2 (Item No.4.18, P.No.15, SR:2016-17)								
	INDOOR GAME								
	Roof Slab								
	Entrance	Sqm	1	3.50	4.50		15.75		
	All Around Slab Projection		1	126.20	1.00		126.20		
						Total Qty	141.95	338.04	
22	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.36, Page No.16, SR: 2016-17)								
	INDOOR GAME								
	Basement Copping								
	SSM Foundation		1	123.30		0.20	24.66		
	Roof Slab	Sqm	1	9.50		0.15	1.43		
	Entrance		2	126.20		0.15	37.86		
	All Around Slab Projection					Total Qty	63.95	732.24	
23	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.37, Page No.16, SR: 2016-17)								
	INDOOR GAME								
	Chejja								
	RS	Sqm	2	3.00	0.9		5.40		
	Door D1		2	1.50	0.60		1.80		
						Total Qty	7.20	291.60	
24	KSRB 4-6.11 Providing and removing centering, shuttering, strutting, sqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (Item No.4.38, P.No.16, SR:2016-17)								
	INDOOR GAME								
	Entrance Steps								
	Basement		4	3.00		0.40	4.80		
	Waste Slab for Stair case	Sqm	2	3.00	2.50		15.00		
	Steps for Stair case		25	3.00		0.15	11.25		
	Edge		8	2.00		0.30	4.80		
						Total Qty	35.850	513.00	
25	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (TMT bars Fe 500) (Item No.4.46.2, Page No.17, SR: 2016-17)								
	INDOOR GAME								
	For One Cum 120Kgs of Concrete Qty SI no 11		1		8.31		8.31		
	For One Cum 120Kgs of Concrete Qty SI no 14		1		9.85		9.85		
	For One Cum 50Kgs of Concrete Qty SI no 15		1		0.36		0.36		
						Total Qty	18.52	65455.56	
								1211994.48	

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Deduction	Sqm							
	Door D		1	2.50		2.5	6.25		
	Door D1		2	1.20		2.1	5.04		
	RS		2	3.50		3.00	21.00		
	V		30	1.50		0.60	27.00		
						Total Qty	69.29		
						Total Qty	982.41	279.72	274798.44
32	KSRB15-3.8 :Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Item No.15.16, Page No.114, SR: 2016-17)								
	INDOOR GAME								
	Inside plastering								
	long Wall		2	38.12		7.00	533.68		
	Short Wall		2	20.00		8.00	320.00		
	Stage Front		1	20.00		1.00	20.00		
	Gallery sitting steps		2	35.00		3.00	210.00		
						Total Qty	1083.68		
	Deduction	Sqm							
	Door D		1	2.50		2.5	6.25		
	Door D1		2	1.20		2.1	5.04		
	RS		2	2.50		3.00	15.00		
	V		30	1.50		0.60	27.00		
						Total Qty	63.29		
						Total Qty	1030.39	263.62	271628.37
33	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (Item No.15.21, P.No.114, SR:2016-17)								
	INDOOR GAME								
	Roof Slab								
	Entrance	Sqm	1	3.50	4.50		15.75		
	All Around Slab Projection		1	126.20	1.00		126.20		
						Total Qty	141.95	208.44	29588.06
34	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications using silver grey granite / Mully Red / Ruby Red / Black / Hassan Green Granite of width not less than 1200mm (I.No:14.47.1, P.No:107, SR 2016-17)								
	INDOOR GAME								
	Flooring								
	Entrance		1	3.00	4.00		12.00		
	Entrance in Hall		1	20.00	4.00		80.00		
	Stage		1	20.06	4.00		80.24		
	Skirting		1	26.00		0.15	3.90		
	Stage Front		1	17.30		1.00	17.30		
	Entrance Steps	Sqm							
	Rise		24	3.00		0.15	10.80		
	Thred		20	3.00	0.3		18.00		
			4	3.00	0.5		6.00		
	Inside Staeps								
	Rise		2	34.20		0.50	34.20		
	Thred		2	34.20	0.9		61.56		
						Total Qty	324.00	2828.52	916440.48
35	KSRB14.7-1:ProvidingandlayingflooringwithW15cementconcrete 40 mm thick using broken granite 20mm and down size laid to line and level in one layer and finish with a floating coat of neat cement, Including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3(Item No.14.8, Page No.101, SR: 2016-17)								
	INDOOR GAME								
	Flooring								
	Open space	Sqm	1	15.61	34.1		532.77		
						Total Qty	532.77	348.84	185851.24
36	KSRB 15.1.3-do - Providing ruled pointing to coursed stone masonry with cement mortar 1:3,20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Item No.15.3, Page No.113, SR: 2016-17)								
	INDOOR GAME								
	Basement								
	SSM Foundation	Sqm	2	124.20		1.00	248.40		
	Entrance		1	10.00		0.80	8.00		
						Total Qty	256.40	105.84	27137.38

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate In Rs.	Amount In Rs.
				L	B	D			
37	KSRB 15.8.1 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment) (Item No.15.35, Page No.115, SR: 2016-17)								
	INDOOR GAME								
	Plaster Mesh								
	Columns								
	Inside Columns								
	Outside Columns		32	8.00			256.00		
	Inside Beams		32	8.00			256.00		
	Long Wall								
	Short Wall		4	41.12			164.48		
	Inside Lintels		4	20.06			80.24		
	Long Wall								
	Short Wall		8	41.12			328.96		
	Outside Beams		8	20.06			160.48		
	Long Wall								
	Short Wall		4	41.58			166.32		
			4	20.52			82.08		
							Total Qty	1494.56	
38	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Item No.15.74, Page No.121, SR: 2016-17)							38.88	58108.49
	INDOOR GAME								
	RS								
	V								
		Sqm	2	2.5		2.50	12.5		
			30	1.50		0.60	27.00		
							Total Qty	39.50	
39	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt as per specifications. (Item No.15.58, P.No.119, SR:2016-17)							88.56	3498.12
	INDOOR GAME								
	For frame								
	Door D								
	Door D1		1	10.50	0.66		6.93		
	For Shutter		2	6.60	0.50		6.60		
	Door D								
	Door D1		2	2.50		2.50	12.50		
			4	1.20		2.10	10.08		
							Total Qty	36.11	
40	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Item No.15.60.1, P.No.119, SR:2016-17)							33.48	1,208.96
	INDOOR GAME								
	For frame								
	Door D								
	Door D1		1	10.50	0.66		6.93		
	For Shutter		2	6.60	0.50		6.60		
	Door D								
	Door D1		2	2.50		2.50	12.50		
			4	1.20		2.10	10.08		
							Total Qty	36.11	
41	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall conform to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick t/ base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification. (Item No.7.29, Page No.40, SR: 2016-17)							90.72	3275.90
	INDOOR GAME								
	150mm Tabular Top & Bottom		12*2	22.5			22.10	119.34	
	100mm Cross bracing		12*2	0.35			11.60	97.44	
	80mm Cross bracing		12*17	1.00			9.41	1919.64	
	100mm Perline		1*18	41.60			11.60	8686.08	
	Plates		18*3	0.25	0.15	0.012	7850.00	190.76	
	Bearing Plates		12*4	0.25	0.25	0.012	7850.00	282.60	
	Nut & Bolts Lump Sum			1350.00				1350.00	
								24460.52	
							Total Qty	24460.52	
								118.80	2905909.18

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
42	Providing and installing of pre painted Galvalume Iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550mpa steel grade, 5-7 microns (Item No.38.30, Page No.300, SR: 2016-17)								
	INDOOR GAME								
	Roof Area	Sqm	1	41.60	22.00		915.20		
							Total Qty	915.20	761080.32
43	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips; suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m Specification No. KBS 7.107 7.12 (Item No.7.5, Page No.31, SR: 2016-17)								
	INDOOR GAME								
	RS	Sqm	2	2.50		2.50	12.50		
							Total Qty	12.50	3090.96
44	KSRB 7.6 : Providing and fixing top covers made out of 20 guage m M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting, materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 7.10.6/7.12 (Item No.7.6, Page No.32, SR: 2016-17)								
	INDOOR GAME								
	RS	M	2	2.50			5.00		
							Total Qty	5.00	510.84
45	Providing and fixing M.S. Hand railing for Balcony/Staircase etc., with 50mm dia. M.S. hollow pipe of 14 guage, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections should be cut to length, welded and grinded wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.(P.No-42, I No-7.35 of KPWD S.R 2016-17)								
	INDOOR GAME								
	Hand Railing								
	Stage								
	Inside Steps								
	Inside Steps Side								
	Entrance Steps								
		Sqm	1	16.50		1.00	16.50		
			2	29.30		1.00	58.60		
			4	3.30		1.00	13.20		
			4	4.00		1.00	16.00		
							Total Qty	104.30	2857.68
46	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification(P.No-108, I No-14.55 of KPWD S.R 2016-17)								
	INDOOR GAME								
	Flooring edge								
	Stage								
	Inside Steps								
	Inside Steps Side								
	Entrance								
		M	1	20.00			20.00		
			4	29.30			117.20		
			4	3.30			13.20		
			1	13.00			13.00		
							Total Qty	163.40	257.04
47	Supplying heavy PVC conduit pipe mm dia mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary(2/1.2)(P.No-2, I No-1.1.1 & 1.1.2 of ELE S.R 2014-15)								
	INDOOR GAME								
	Electricals								
	19/20mm dia 2mm thick								
	25mm dia 2mm thick								
		M	1	60.00			60.00	46.44	2,786.40
			1	20.00			20.00	61.56	1,231.20
48	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.(2/1.4)(P.No-2, I No-1.4.1 & 1.4.2 of ELE S.R 2014-15)								
	INDOOR GAME								
	Electricals								
	75x75x65mm								
	100x75x65mm								
		Each	1	10.00			10.00	101.52	1,015.20
			1	10.00			10.00	103.68	1,036.80
							Total Construction cost		127,11,193.77
							Design Report, Proof Checking & PMC Amount		2,54,223.88
							KRIDL Charges 16%		20,33,791.00

Detailed Estimate									
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
								Sub Total	149,99,208.65
								Miscellaneous & Rounding Off	791.35
								Grand Total	150,00,000.00

Certificate:-
1. To

Certificate:-

- 1) The work spot has been inspected and the work is found necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.



Consultants
For Sri Sai Consultants

[Signature]
Assistant Engineer
Ward No.13
BBMP - Bangalore

[Signature]
Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

[Signature]
Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ನಂ: CE/PP/AS/05/17-18 Dt: 23.9.17
ರೂ: 150.00 Lakhs (One hundred
fifty lakhs only)
ಈ ಅಂದಾಜು ಶುಲ್ಕ ಅನುಮೋದನೆ ನೀಡಿದೆ.
[Signature]
ಪ್ರಾ.ಪಂ. ಮುಖ್ಯ ಅಧಿಕಾರಿ
ಬಾ.ಸಂ.ಪ.ಕ. ಕಛೇರಿ, ಬೆಂಗಳೂರು

ನಂ: CE/HS/13/17-18 ದಿನಾಂಕ: 25/9/17
ರೂ: Rs. 150.00 Lakhs only
ಈ ಅಂದಾಜು ಶುಲ್ಕ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
[Signature] ಮುಖ್ಯ ಅಧಿಕಾರಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಜಿ.ಜಿ.ಎಂ.ಸಿ.
ಬಾ.ಸಂ.ಪ.ಕ. ಕಛೇರಿ, ಬೆಂಗಳೂರು